

Field Note Record For Drainage

Contract No.	ract No. Station / Line / MP				Date	SR No.	Structure Code
008127 LE 1327+00 - 1329+18		Justin Perez		8/15/2019	I-90	DR01-22	
Calculated by		Date	Date Work Started		All Work on thi	s Structu	re 100% Completed?
Colton Peyser		8/24/2019	6/3/2019	Yes 🖲	8/23/2019		lo ◯ (Partial Payment)

Inspector	Date	Reviewed by	Date	
Colton Peyser	9/5/2019	JH	9/18/2019	
Checked by	Date	Materials Mgr.	Date	Materials
E. Knudson	9/19/2019			<u>Yes</u>

DR01-22

Contractor Installed 1082 LF of 10" dia. underdrain pipe between DR01-22 and DR01-29

Station Limits: LE 1327+00 - 1329+18.

Only 218 LF of this will be paid for, the remainder is covered in the CRIP limits.

15.5' x 218' = 3379 / 9 = 375.4 SY. Geotextile Fabric

1' x 7.5' x 218' = 1635 / 27 = 60.5 CY MFD.

Height low side = 6" + 10" pipe diameter + 6" = 22" 22" 12 = 1.83"

Height high side with 6:1 slope = 22" + 24" width X 1/6 slope = 26" 26"/12 = 2.17"

Average height = (2.17' +1.83') / 2 = 2.00'

Width per plan sheet DD7= 2.00'

Gross Area: 2.00' x 2.00' = 4.00 SF

10" diameter pipe area: 3.14159 * (10"/12)^2 /4 = 0.55 SF

Net Area: 4.00 SF - 0.55 SF = 3.45 SF

3.45 SF x 218' / 27 = 27.9 CY Gravel Backfill

Structure Exc. Class B: 1.83' x 2' x 218' = 797.88 / 27 = 29.55 CY

OK TO PAY 218 LF of 10" Dia. under drain pipe.

OK TO PAY 375.4 SY of Geotextile Fabric.

OK TO PAY 60.5 CY of MFD.

OK TO PAY 27.9 CY of Gravel Backfill.

OK TO PAY 30 CY of Structure Exc. Class B.

Vegetated Filter Strip paid for on separate FNR.

Field measured with tape.

Shipment Tag/Stamp #						Make/Model/Product #							
Item and Doc Num	Item Num Material Brand Name, Model or Type		Manufacturer		RAMS/QPL Ref. No.		Method of Accept. / Accept. Code		Used Y/N	FNR # (Office Use)		cceptance te Installed	Quan.
055.01 QPL-0046	055.01	Corrugated Polyethylene Drain Pipe Up to 10-inch Single Wall Pipe of AASHTO Pipe	n Inc.	S/Hancor,	QPL-00	146	Mfr. Cert. per Stnd. Spec. 1-06.3 or See Current QPL 3101		Y		8/23/	/2019	218 LF
299.01 RAM- 0212.06	299.01	Gravel BKF for Drains	Cer	nsburg nent ducts	RAM-02	212.06	.06 15 Acceptance Sample(s) Required 1, 8		Υ		8/23/	/2019	27.9 CY
218.02 RAM-0366	218.02	Other MFD Mineral Aggregate MFD Mineral Aggregate		nsburg nent Prod.	RAM-03	366	1 Acceptance Sample per 1000 Tons 1, 8		Y		8/23	/2019	60.5 CY
341.01 QPL-0021	341.01	Underground Drainage, Low Survivability Class A Nonwoven MODEL 180N	(MII	I CATE RAFI)	QPL-00	21	Satisfactory test report from State Materials Laboratory or See Current QPL 7020		Υ		8/23/	/2019	375.4 SY
Item Num Item Description		Grp	Date Work Unit Completed		Quantity	Ledger Entry No.	Init.	Posted By Date	Ch Init.	Checked By Init. Date			
<u>0055</u>	UNDERDRAIN PIPE 10 IN. DIAM.		1	9/5/2019		L.F.	218	7414	EK	9/19/19			94
0299	GRAVEL BACKFILL FOR DRAIN		1	9/5/2019		C.Y.	27.9	7415	EK	9/19/19			94
<u>0341</u>	CONSTRUCTION GEOTEXTILE FOR UNDERGROUND DRAINAGE		1	9/5/2019		S.Y.	376	7416	EK	9/19/19			94
0218	MEDIA FILTER DRAIN MIX		1	9/5/2019		C.Y.	60.5	7417	EK	9/19/19			94
0296	STRUCTURE EXCAVATION CLASS B INCL. HAUL		1	9/5/2019		C.Y.	30.0	7418	EK	9/19/19			94

Attachments





DOT Form IP422-637 EF Revised 04/2011

Structure	Excavat	ion			Pipe Structure Width					
Station	Flow Line Grade	Original Ground	Sub- Grade	Centerline Cut		Offset Hub	Offset Cut F.L	Remarks		
				Flow Line	Bottom Ditch					

Remarks and Calculations